CONTENT STANDARD 2: Technological Impacts

Students will understand the impact that technology has on the social, cultural and environmental aspects of their lives.

K-1	2-3	4-5	6	7	8
2.K-1.1 Define *technology*. 2.K-1.2 Describe the role of technology in their lives. 2.K-1.3 Describe how technology is used in familiar surroundings.	2.2-3.1 Define *technology*. 2.2-3.2 Describe the characteristics of single ownership, corporations, companies and partnerships. 2.2-3.3 Compare financing and contrast ways of financing an enterprise. 2.2-3.4 Trace the historical development of at least one technology, identifying its effects and hypothesizing about its future.	2.4-5.1 Explain how technology and technological activity has expected and unexpected effects. 2.4-5.2 Trace the historical development of a product or process of technology. 2.4-5.3 Describe how their actions can affect the environment. 2.4-5.4 Identify positive and negative impacts of technology. 2.4-5.5 Technological innovation adaptation. 2.4-5.6 Describe how mathematics, science, language arts, social studies and the arts are related to technology.	2.6.1 Explain how technology and technological activity has expected and unexpected effects. 2.6.2 Develop criteria for evaluating technology. 2.6.3 Explore and identify the personal effects of technological systems. 2.6.4 Trace the historical development of at least one technology. 2.6.5 Describe the universal input, process, output, and feedback (IPOF) systems model.	2.7.1 Document how a technological activity you are involved in during class had expected and unexpected effects. 2.7.2 Explore and identify the environmental effects of technological systems. 2.7.3 Identify the effects of at least one technological development on history. 2.7.4 Research and identify the impacts of a technology using the universal input, process, output, and feedback (IPOF) systems model. 2.7.5 Identify and describe how individual technological innovations may be combined to create new technology. 2.7.6 Identify the social and economic impacts of automation and computer controlled processing.	2.8.1 Identify the effects of at least one current technological development in your local area. 2.8.2 Explore and identify the societal and economic effects of technological systems. 2.8.3 Use knowledge of how individual technological innovations may be combined to create new technology in a problem-solving activity using the IPOF model. 2.8.4 Hypothesize about the future of one technology.

9-10	11-12
2.9-10.1 Identify and apply the systems model to evaluate the impact of a given technological development. 2.9-10.2 Use the systems model to evaluate the effect of transportation technology on the environment. 2.9-10.3 Identify procedures in place in the classroom for dealing with hazardous materials. 2.9-10.4 Describe the role of technology in the creation of solutions to waste disposal issues.	2.11-12.1 Explore positive and negative impacts of a variety of technologies. 2.11-12.2 Identify the relationships between the increase of production and products and the increase of industrial wastes. 2.11-12.3 Identify the positive effects of increased avenues of communications in a global society.